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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/006,089	12/06/2001	Gary Cole	WAVE1110-1	8837

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EXAMINER	
YIGDALL, MICHAEL J	
ART UNIT	**PAPER NUMBER**
2192	

DATE MAILED: 06/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/006,089	COLE, GARY	
	Examiner	Art Unit	
	Michael J. Yigdall	2192	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *07 February 2005*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-4,6-12 and 14-33* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,6-12 and 14-33* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *07 February 2005* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *2/25/05, 3/14/05*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Applicant's amendment and response filed on February 7, 2005 has been fully considered. Claims 1-4, 6-12 and 14-33 remain pending.

Response to Arguments

2. Applicant's arguments have been fully considered but they are not persuasive.

Applicant contends that Gwertzman does not teach an identity index as recited in claim 1 (Applicant's remarks, page 12, second paragraph) because Gwertzman does not teach a data structure and instead teaches a storage-mechanism interface (Applicant's remarks, page 12, third paragraph). Specifically, Applicant contends that Gwertzman does not teach the particular data structure of an identity index as recited in claim 1 and similarly in claims 20 and 26 (Applicant's remarks, page 13, first paragraph).

However, Gwertzman discloses a storage-mechanism interface that aggregates information objects into a common namespace (see, for example, column 5, lines 52-59). The storage-mechanism interface is a software program (see, for example, column 7, lines 66-67) that maintains a database (see, for example, column 7, lines 1-8). A database is a data structure. As set forth in the previous Office action, the database is an "identity index" that comprises logical names or "virtual identities" that in turn comprise the actual names of data structures or "information object identifiers" (see, for example, column 7, lines 1-8). Therefore, Gwertzman teaches the data structure of an identity index. The plain language of the claims does not exclude the storage-mechanism interface of Gwertzman. Although the claims are interpreted in light of

the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Drawings

3. The objections to the drawings are withdrawn in view of the replacement sheets filed on February 7, 2005 for Figures 1-4.

Specification

4. The objections to the disclosure are withdrawn in view of the amendments to the specification filed on February 7, 2005.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-4, 6-12 and 14-33 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. No. 6,189,000 to Gwertzman et al. (art of record, "Gwertzman").

With respect to claim 1 (currently amended), Gwertzman discloses a system for managing information (see, for example, the abstract, which shows a system for managing properties or information) comprising:

a software program stored on a computer-readable medium operable to maintain an identity index (see, for example, column 5, lines 52-59, which shows a storage-mechanism interface, and column 7, lines 1-8, which further shows that the storage-mechanism interface maintains a database or an identity index), wherein said identity index comprises:

(a) a virtual identity (see, for example, column 6, lines 52-65, which shows a logical name or a virtual identity) further comprising:

(i) a plurality of information object identifiers corresponding to a respective information object (see, for example, column 7, lines 1-8, which shows an actual name or an identifier corresponding to an information object, and column 8, lines 28-30, which shows that the virtual identity may include a second and thus a plurality of information object identifiers); and

(ii) for each information object, a resource name identifying a resource at which said respective information object is located, wherein said resource name is associated with said respective information object identifier (see, for example, column 7, lines 1-8, which shows a path name or a resource name identifying the location of the information object); and

(b) a resource definition corresponding to each respective said named resource, wherein the resource definition further comprises a set of connection information (see, for example, column 8, lines 3-25, which shows a configuration or a resource definition comprising connection information).

With respect to claim 2 (original), Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see, for example, column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 3 (original), Gwertzman further discloses the limitation wherein said schema map maps a resource attribute from said resource to a virtual attribute defined by said schema map (see, for example, column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 4 (original), Gwertzman further discloses the limitation wherein a virtual attribute value for said virtual attribute is stored in RAM (see, for example, column 3, lines 41-53, which shows a memory system with RAM for storing values).

With respect to claim 6 (original), Gwertzman further discloses the limitation wherein said set of connection information contains a connection parameter selected from one of a hostname, a port, a resource username, a resource password or a resource type (see, for example, column 8, lines 42-49, which shows connection parameters including a resource user name and password).

With respect to claim 7 (original), Gwertzman further discloses the limitation wherein said virtual identity corresponds to a user (see, for example, column 7, lines 14-17, which shows that the logical or virtual identity may correspond to a user).

With respect to claim 8 (original), Gwertzman further discloses the limitation wherein said information object comprises a user account (see, for example, column 6, lines 21-27, which shows that the information object may comprise user account information).

With respect to claim 9 (original), Gwertzman further discloses the limitation wherein said information object identifier comprises an account name (see, for example, column 7, lines 14-17, which shows that the identifier may comprise a user identification or account name).

With respect to claim 10 (original), Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see, for example, column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 11 (original), Gwertzman further discloses the limitation wherein said schema map maps a resource attribute from said resource to a virtual attribute defined by said schema map (see, for example, column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 12 (original), Gwertzman further discloses the limitation wherein a virtual attribute value for said virtual attribute is maintained in RAM (see, for example, column 3, lines 41-53, which shows a memory system with RAM for storing values).

With respect to claim 14 (original), Gwertzman further discloses the limitation wherein said set of connection information contains a connection parameter selected from one of a hostname, a port, a resource username, a resource password or a resource type (see, for example,

column 8, lines 42-49, which shows connection parameters including a resource user name and password).

With respect to claim 15 (original), Gwertzman further discloses the limitation wherein said resource is one of a Unix system, a Windows NT system, an Oracle database system or an email server (see, for example, column 4, lines 2-9, which shows that the resource may be a Windows NT system).

With respect to claim 16 (original), Gwertzman further discloses the limitation wherein said software program is operable to connect to said resource based on said resource definition (see, for example, column 6, lines 36-41, which shows that the storage-mechanism interface connects to the resource based on the configuration or resource definition).

With respect to claim 17 (original), Gwertzman further discloses the limitation wherein said resource definition further comprises a schema map (see, for example, column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space); and

wherein, said software program is operable to create a composite view of said virtual identity based on said schema map (see, for example, column 7, lines 60-65, which shows creating an aggregated or composite view).

With respect to claim 18 (original), Gwertzman further discloses the limitation wherein said software program is operable to present a representation of said composite view in a graphical user interface (see, for example, column 7, lines 60-65, which shows displaying the aggregated or composite view, i.e. in a graphical user interface).

With respect to claim 19 (original), Gwertzman further discloses the limitation wherein said graphical user interface is customizable (see, for example, column 6, lines 21-27, which shows that the graphical user interface is customizable).

With respect to claim 20 (currently amended), the limitations recited in the claim are analogous to the limitations recited in claim 1 (see the rejection of claim 1 above).

With respect to claim 21 (original), the limitations recited in the claim are analogous to the limitations recited in claim 2 (see the rejection of claim 2 above).

With respect to claim 22 (original), the limitations recited in the claim are analogous to the limitations recited in claim 8 (see the rejection of claim 8 above).

With respect to claim 23 (original), the limitations recited in the claim are analogous to the limitations recited in claim 9 (see the rejection of claim 9 above).

With respect to claim 24 (original), the limitations recited in the claim are analogous to the limitations recited in claim 10 (see the rejection of claim 10 above).

With respect to claim 25 (original), the limitations recited in the claim are analogous to the limitations recited in claim 11 (see the rejection of claim 11 above).

With respect to claim 26 (currently amended), Gwertzman discloses a method of managing information (see, for example, the abstract, which shows a method for managing properties or information) comprising:

storing an identity index comprising a plurality of information object identifiers corresponding to a set of information objects that define a user (see, for example, column 7, lines 1-8, which shows a database or an identity index comprising actual names or identifiers corresponding to information objects, and column 7, lines 44-50, which shows that the information objects are user objects);

associating a resource definition with each information object identifier, wherein each resource definition corresponds to a different one of a plurality of resources at which the information object corresponding to the associated information object identifier is located, and wherein each resource definition contains a connection information for the corresponding resource (see, for example, column 8, lines 3-25, which shows a configuration or a resource definition associated with each object corresponding to a storage mechanism or resource, further comprising connection information for the resource).

With respect to claim 27 (original), Gwertzman further discloses the limitation wherein each information object identifier from said set of information object identifiers comprises a native key for the corresponding information object (see, for example, column 8, lines 20-25, which shows that the identifier corresponding to an information object comprises the native path or key for the property or object).

With respect to claim 28 (original), Gwertzman further discloses the limitation wherein said native key comprises an account name (see, for example, column 7, lines 14-17, which shows that the identifier may comprise a user identification or account name).

With respect to claim 29 (original), Gwertzman further discloses the limitation wherein the step of associating at least one of a set of resource definitions with each information object identifier further comprises associating at least one resource name with each information object identifier (see, for example, column 7, lines 1-8, which shows a path name or resource name identifying the location of the information object).

With respect to claim 30 (original), Gwertzman further discloses the limitation wherein each information object comprises a user account (see, for example, column 6, lines 21-27, which shows that the information object may comprise user account information).

With respect to claim 31 (original), Gwertzman further discloses the limitation wherein each resource definition further comprises a schema map (see, for example, column 7, lines 51-60, which shows a schema map for mapping the schemas into an aggregated schema space).

With respect to claim 32 (original), Gwertzman further discloses the limitation wherein said schema map maps a resource attribute to a virtual attribute (see, for example, column 9, lines 28-44, which shows mapping a property or attribute from the object to a logical or virtual property or attribute).

With respect to claim 33 (original), Gwertzman further discloses creating a composite view of a user based on said schema map from each resource definition (see, for example, column 7, lines 60-65, which shows creating an aggregated or composite view).

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J. Yigdall whose telephone number is (571) 272-3707. The examiner can normally be reached on Monday through Friday from 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MY

Michael J. Yigdall
Examiner
Art Unit 2192

mjy

TUAN DAM
SUPERVISORY PATENT EXAMINER

OIPE
FEB 10 2005
PATENT & TRADEMARK OFFICE

Replacement Sheet

1/4

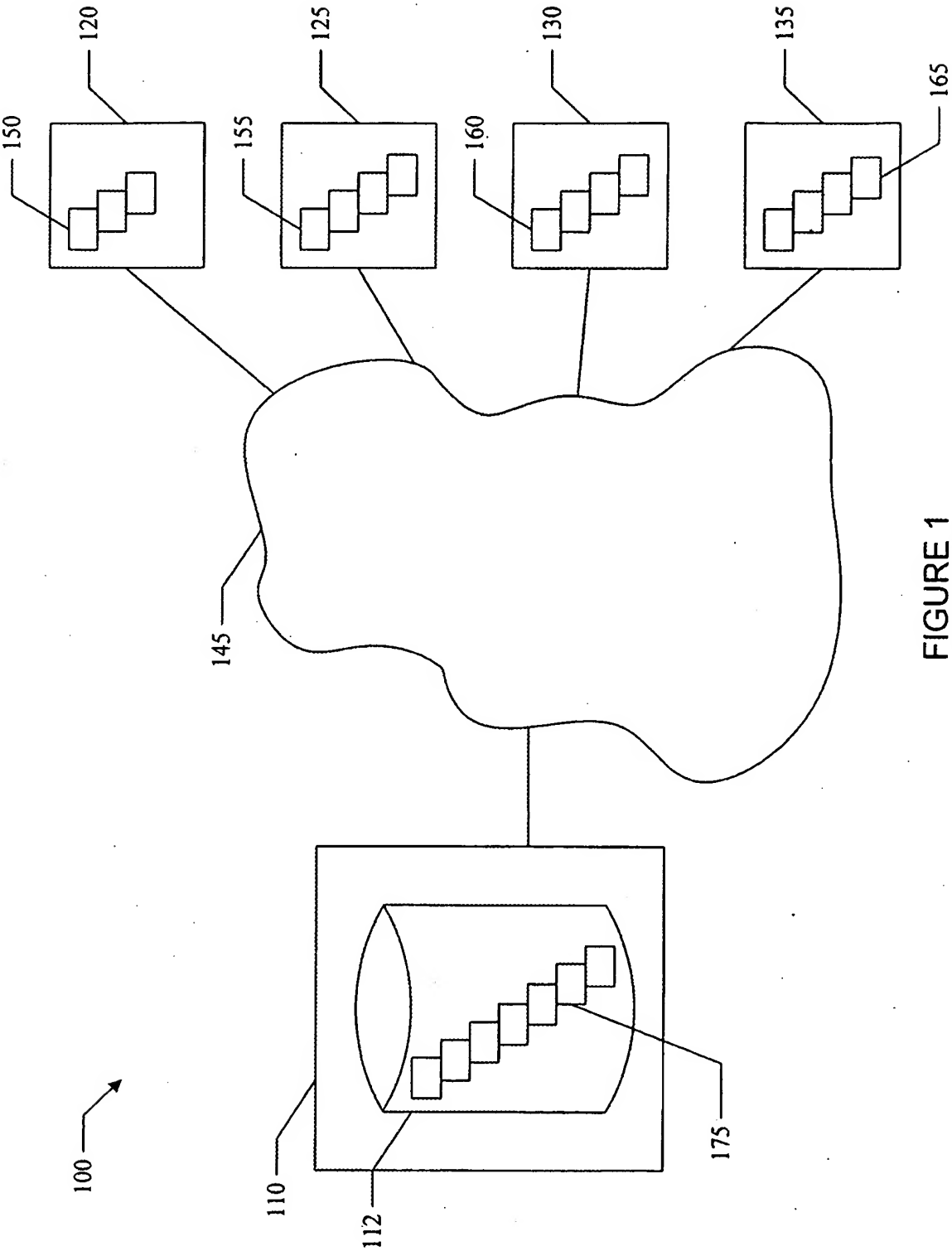

FIGURE 1
PRIOR ART

accepted MY 5/26/05

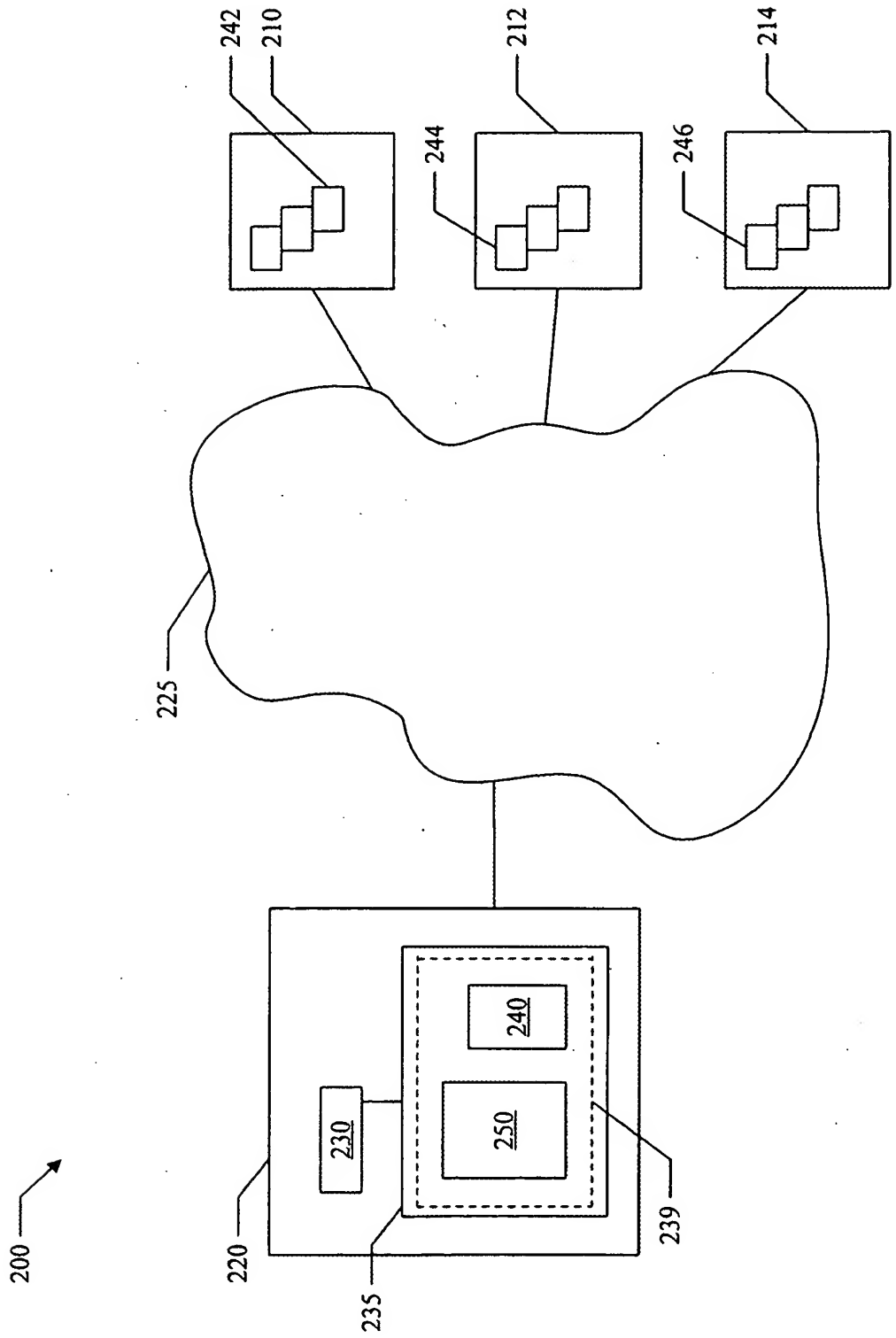

FIGURE 2

accepted MY 5/26/05

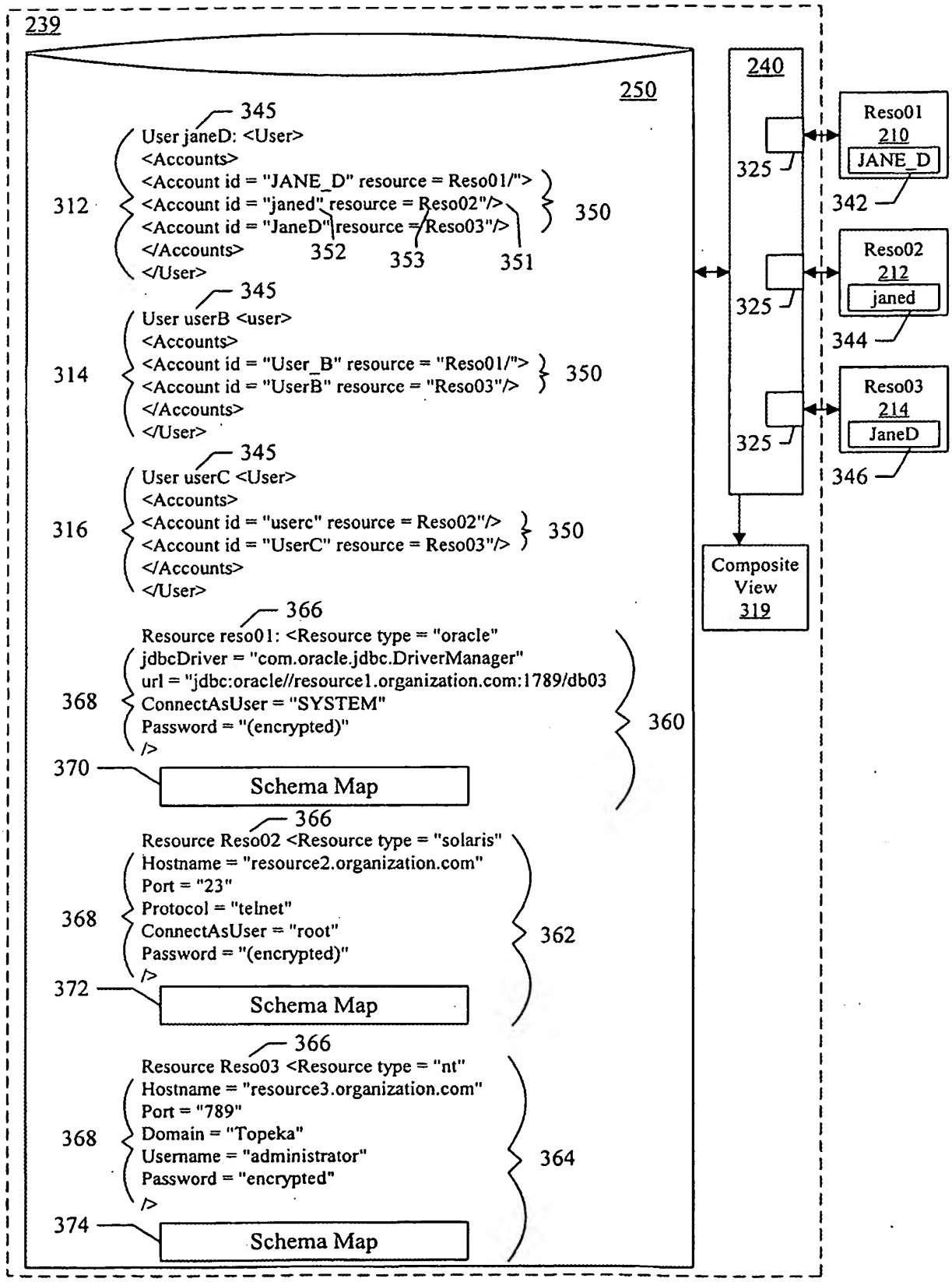

FIGURE 3

accepted MY 5/26/05

accepted MY 5/26/05

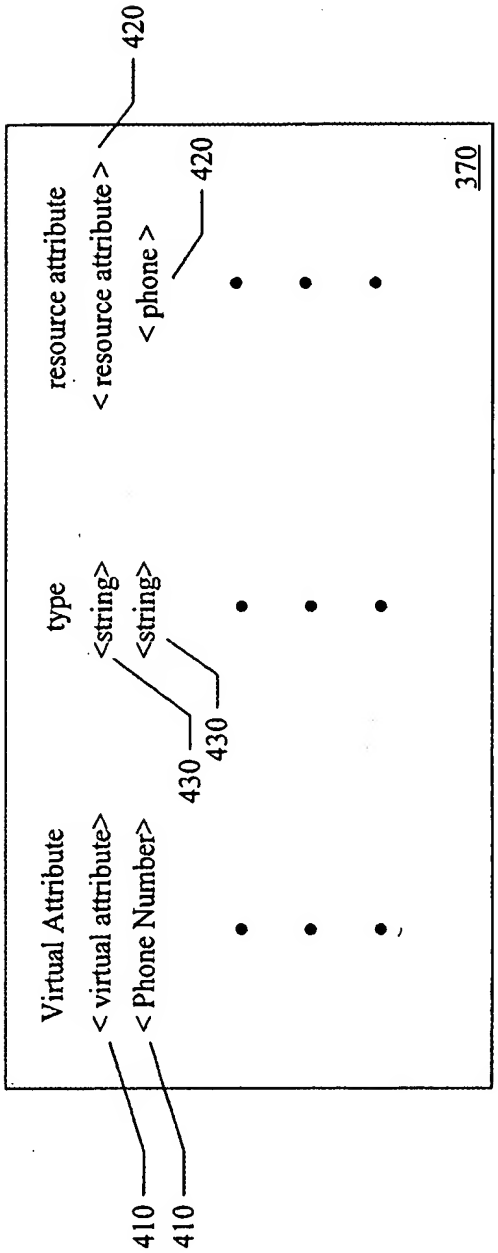

FIGURE 4